

✓ 6/13/1997

→ MIP1α/β INH CIP 4/2/1997
→ NO DRUG OR ANTIBIO

Applicants: Graham P. Allaway et al.
Serial No.: 09/460,216
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08/891,823

Listing of Claim(s)

1-60. (Canceled)

INHIBITORY CHEMOKINE

MACROPHAGE
CELL-CELL TRANSMISSION

61. (Currently Amended) A method of inhibiting infection of a CD4+ cell by a macrophage-tropic HIV-1 which comprises contacting the CD4+ cell with a chemokine antagonist which ~~an agent, which agent~~
(a) binds to a CCR5 chemokine receptor on the surface of the CD4+ cell;
(b) blocks fusion of HIV-1_{JR-FL} with a PM-1 cell; and
(c) does not block fusion of HIV-1_{BRU} with such PM-1 cell; and
(d) does not activate an inflammatory response upon binding to the CCR5 chemokine receptor on the surface of the CD4+ cell;
in an amount and under conditions such that fusion of the macrophage-tropic HIV-1 to the CD4+ cell is inhibited, so as to thereby inhibit infection of the CD4+ cell by the macrophage-tropic HIV-1.

62-65. (Canceled)

ADA, Bal JR-FL → MΦ TROPIC - CCR5
LAI → T TROPIC

i) BINDS CCR5 CHEMOKINE RECEPTOR

1) UPDATE FIRST P OF SPEC.

2) Δ TITLE

PAIR OF H445 207
PA-8-PA12

6344545 = 08/891,823

RANTES, MIP-1α, MIP-1β INHIBIT MΦ TROP

COCCHI, P 1995, SCIENCE 270:1811

CLAIM 2 6,344,545

CLAIM 3 6,972,126

P.4 - NON-CHEMOKINE AGENT

1) CELL 1996 87(3):437

2) EMBO J 1997 16(10):2599

STRUCTURAL
FUNCTION

NM?
NON-CHEMOKINE
AGENT

P.14

DECEMBER
PATENTS
5,021,409